February 2006

The President's Council on Integrity and Efficiency's Information Technology Roundtable mission is to facilitate effective information technology audits, evaluations, and investigations by Inspectors General, and to provide a vehicle for the expression of the IG community's perspective on Government-wide IT operations.

Highlights
Data Mining Symposium
Proactive Data-Mining and Link Analysis
Using GIS to improve OIG Assignments

If you have questions, please contact:
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IT Roundtable News

President's Council on Integrity and Efficiency

OIG Data-Mining Symposium 2006
By all accounts the OIG Data-Mining symposium was a great success! The auditorium was fill to capacity. There were participants representing over forty-five agencies in attendance. The symposium show cased proactive Data-Mining techniques and sharing of success stories in support of both Audits and Investigations. Many participants remarked this was the first time they had seen such a complex concept being presented in such simple terms that were easy to follow and understand. Several suggested we do it more often. The presenters (Education IG, Postal IG, DODIG, EPA IG and Oracle) did a fantastic job ensuring the presentations were 1st class, sufficient course materials were available, and the logistics worked seamlessly. Please pass on a well-deserved "Thank You" to your staff members that provided presentations at the symposium.

Proactive Data-Mining and Link Analysis – Representing Department of Education, Roland Wong, Director, CAAT and Scott Oglesby, Information Systems Specialist gave a presentation on how to perform proactive Data-Mining to identify suspicious recipient address and utilize link analysis tools to assist investigators to understand the fraud scheme and possible hidden relationships.

Excavating Today's Data with Tomorrow's Technology? – Ed Slevin, Director CAAT, United States Postal Service, Office of Inspector General and Roland Wong, Director CAAT, Department of Education, Office of Inspector General jointly gave an overview on Data Mining – what it is, was and will be. They demonstrated three ongoing data mining projects.

DODIG Data Mining - Colonel William (Bill) Kelley discussed current DoDIG data mining projects and follow-on results from the initial efforts on purchase cards. In addition, he discussed future concepts being considered to assist in analysis efforts.

Using GIS to Improve OIG Assignments - Lauretta Ansah and Kalpana Ramakirschnan, Environmental Protection Agency, Office of Inspector General gave an overview of Geographic Information Systems (GIS) and showed how the Environmental Protection Agency is utilizing GIS to better understand geographic relationships that affect public health.

Data-Mining Overview - John Brideweser, Technologist, Oracle Corporation provided an overview of Business Intelligence Data-Mining Technology and the applicability of various statistical models and algorithms.

The next regular PCIE IT Roundtable will be in April 2006. We're looking for topics/themes and presentations. Presentation suggestions and presenters are always welcome. Please contact Chuck Coe (Charles.Coe@ed.gov) if you're willing to lend a hand to help the IG community.

Link to IT Roundtable: http://www.hq.nasa.gov/office/oig/hq/ITR/ITRindex.html